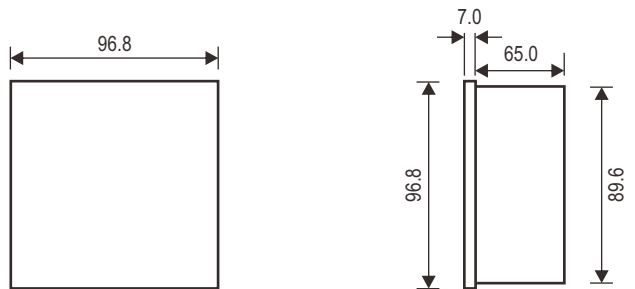
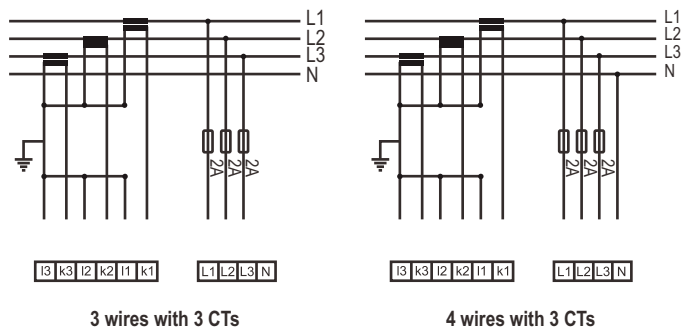




**DIMENSIONAL DRAWINGS (mm)**



**NETWORK CONNECTIONS**



TECHNICAL INFO		EMG25
General	Seven Segment Display	-
	LCD	Available
	Language Support	-
	Battery	-
	Real Time Clock	-
	Password Protection	Available
	Current Transformer Ratio	1-5000
	Voltage Transformer Ratio	1-5000
	Demand Period	1-60 minutes Adjustable
	Connection Type	3P4W, 3P3W
	Measurement in Quadrants	4
	Number of Measurement in a period	256
	LCD/Display Refresh Period	1 sec
	Networks	TT, TN, IT
Energy Measurement	Phasor Diagram	-
	Signal Waveforms	-
	Min/Max/Demand Values	Available
	Number of Tariffs	2
Current Measurement Input	Multi Sub-Tariffs (Peak, Day and Off-Peak)	-
	1Ø Phase Energy Meters	Available
	3Ø Phase Energy Meters	Available
Voltage Measurement Input	4-Quadrant Reactive Energy Meters	-
	Measurement Range	10mA-6A AC
	Overvoltage Category	300 V Cat II
	Measurement Surge Voltage	2 kV
	Power Consumption	< 0.2 VA
	Intermittent overload	100A for 1 sec
	Sampling Freq.between 45-65Hz	12.8 kHz
	Overvoltage Category	300V Cat III
Inputs and Outputs	Measured Range L-N	1-300 Vrms
	Measured Range L-L	2-500 Vrms
	Measured Frequency Range	45-65 Hz
	Power Consumption	< 0.1 VA
	Sampling Freq.between 45-65Hz	12.8 kHz

TECHNICAL INFO		EMG25
Power Quality Measurements	Harmonics for current and voltage phases	Up to 31st
	THD-Voltage in %	Available
	THD-Current in %	Available
Other Measurements	Run Hour (Operating time for load in hours)	Available
	On Hour (Operating time for meter in hours)	Available
	Int Counter (Number of power interruptions)	Available
Measurements Accuracy	Total Active Power	Class 0.5
	Total Reactive Power	Class 1
	Total Apparent Power	Class 0.5
	Total Active Energy	Class 0.5
	According to IEC 61557-12 Total Reactive Energy	Class 2
	Frequency	Class 0.1
	Current	Class 0.5
	Neutral Current (calculated)	Class 0.5
	Voltage	Class 0.2
	Power factor	Class 0.5
Inputs and Outputs	THDV, THDI	Class 1
	According to IEC 62053-22 Total Active Energy	Class 0.5S
	According to IEC 62053-23 Total Reactive Energy	Class 2
	Number of outputs	2 pcs
	Type	NO (SPST)
	Max. Switching Current	10A
	Max. Switching Voltage	250 VAC
Alarm Relay Outputs	Max. Switching Power	1250 VA

TECHNICAL INFO			EMG25	TECHNICAL INFO			EMG25
Inputs and Outputs	Digital Inputs	Number of inputs	2 pcs	Communication	Protocol	Modbus RTU	
		Minimum Counting Frequency	100 Hz, 10ms		Baud rate	1200-56700 bps adjustable	
		Input Present or Not	Dry contact		Parity number	Odd, Even, None	
		Isolation Level	5000 Vrms		Stop bit	1	
	Digital Outputs	Number of outputs	2 pcs	Mechanical Property	Address	1-247	
		Type	Transistor		Isolation	2750V RMS	
		Switching Voltage Range	5-30 VDC		Weight (g)	323	
		Minimum Switching Frequency	20 Hz, 50 ms		Protection Class	IP40 front / IP20 rear	
	Analog Outputs	Isolation Level	5000 Vrms	Cable Cross Sections	Assembly Type	Panel Mount	
		Number of outputs	-		Supply, Voltage, Current, Relay Outputs	Stranded:	2,5 mm <sup>2</sup> -14AWG
Range of Outputs 0-5V,0-10 V,-5-5 V, -10-10 V,0-20mA, 4-20 mA		-	Solid:			4 mm <sup>2</sup> -12AWG, 2 x 15 mm <sup>2</sup> - 2 x 16AWG	
Isolation	-	Digital I/O, RS 485, Analog Output	Stranded:	1,5 mm <sup>2</sup> -16AWG			
Supply	Voltage	AC	85-300 V	Ambient Conditions	Operating Temperature	-20 to +70 °C	
		DC	85-300 V		Storage Temperature	-30 to +80 °C	
	Consumption	AC	< 4.5 VA	Relative Humidity (no condensation)	Max.95%		
		DC	< 2 W		300 VAC CAT II ace. to IEC 61010-1	Available	
Frequency	45-65 Hz		EMC-EMI	EN 55011 /AI :2010, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11			
Data Logging with timestamp	Min/Max/ Avg Values	Hourly records		-	Available		
		Daily records		-	Available		
		Monthly records	-				
Demand	-						
Alarm records	-						



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